

## PATENT ABSTRACTS OF JAPAN

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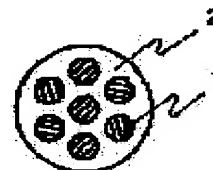
(54) FIBER FROM WHICH SUPERFINE FIBERS CAN BE GENERATED, SUPERFINE FIBERS  
 GENERATED THEREFROM AND FIBER SHEET USING THE SUPERFINE FIBERS

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a fiber capable of generating superfine fibers which are not pressed and adhered to each other even when cut, are homogeneously dispersed, and are useful for producing filter materials, etc., by enabling the generation of the superfine fibers that contain high melting point polypropylene having a melting point of a prescribed value or larger and have a fiber diameter of a specified value or smaller.

SOLUTION: This fiber can generate superfine fibers which contain high melting point polypropylene having a melting point of  $\geq 166^{\circ}\text{C}$  and have a fiber diameter of  $\leq 5\text{ }\mu\text{m}$ .

The superfine fiber-generable fiber has a sea-island like fiber cross section. The high melting point polypropylene is contained in the island component 1, and the island component 1 has a diameter of  $\leq 2\text{ }\mu\text{m}$ . A value obtained by dividing the standard deviation of the diameter of the island component 1 by the average diameter of the island component 1 is  $\geq 0.2$ . The superfine fibers generated from the superfine fiber-generable fibers are preferably used for preparing fiber sheets.



## LEGAL STATUS

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